



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureaux

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :	AI	(11) International Publication Number:	WO 98/24052
G06K 9/00		(43) International Publication Date:	4 June 1998 (04.06.98)
(21) International Application Number:	PCT/US97/21548	(81) Designated States:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).
(22) International Filing Date:	21 November 1997 (21.11.97)	(23) Priority Data:	
60/031,604	27 November 1996 (27.11.96) US	(24) Applicant:	CUMMINS-ALLISON CORP, [US/US]; 891 Feehanville Drive, Mount Prospect, IL 60056 (US).
(25) Inventors:	JONES, John, E.; 43 Long Meadow, Winnetka, IL 60043 (US); MENNIE, Douglas, U; 229 Wood Street, Barrington, R, 60010 (US). JONES, William, J.; 280 Polk, Barrington, IL 60016 (US).	(26) Published:	<i>With international search report.</i>
(27) Agent:	RUDISILL, Stephen, G; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US)	(28) Title:	AN AUTOMATED DOCUMENT PROCESSING SYSTEM USING FULL IMAGE SCANNING
			<pre> graph TD IR[INPUT RECEPTACLE 16] --> TM[TRANSPORT MECHANISM 18] TM --> OR[OUTPUT RECEPTACLE 20] TM --> C[CONTROLLER 10] C --> CP[COMMUNICATIONS PANEL 26] C --> DU[DISPENSING UNIT 22] C --> FS[FULL IMAGE SCANNER 12] C --> DU FS --> TM DU --> TM FS --> C DU --> C FS --> DI[DISCRIMINATION UNIT 14] DI --> TM DI --> C C --> I[INTERFACE 24] I --> OA[OUTSIDE ACCOUNTING SYSTEM OR CENTRAL OFFICE] </pre>
(57) Abstract:	<p>A document processing system comprises an input receptacle (16) for receiving documents. A transport mechanism (18) receives the documents from the input receptacle (16) and transports the documents past a full image scanner (12) and a discrimination unit (14). An output receptacle (20) receives the documents from the transport mechanism (18) after being transported past the full image scanner (12) and the discrimination unit (14). The full image scanner (12) includes means for obtaining a full video image of said documents, means for obtaining an image of a selected area of said documents, and means for obtaining information contained in said selected area of said document. A system controller (10) directs the flows of documents over the transport mechanism (18).</p>		